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INT-03-014

July 14, 2004

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Fr: George O. Saile, Reg. No. 19,572
28 Davis Avenue
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Subject: Serial No. 10/827,061 04/19/04

Thomas Aisenbrey

LOW COST RESONATOR USING CONDUCTIVE PLASTICS OR CONDUCTIVE COMPOSITES

INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation In An Application.

The following Patents and/or Publications are submitted to comply with the duty of disclosure under CFR 1.97-1.99 and 37 CFR 1.56.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 450, Alexandria, VA 22313-1450, on July 15, 2004.

George O. Saile, Reg. No. 19572

Signature/Date George O. Saile 7/15/04

U.S. Patent 6,111,343 to Unami et al., "Piezoelectric Resonator and Electronic Component Including Same," teaches a piezoelectric resonator device including conductive resin film to reduce contact capacitance.

U.S. Patent 4,267,480 to Kanematsu et al., "Electro-Conductive Elastomeric Pad for Piezoelectric Device," teaches a piezoelectric resonator device.

U.S. Patent 4,786,837 to Kalnin et al., "Composite Conformable Sheet Electrodes," teaches a composite ceramic/ polymer sheet electrode transducer.

U.S. Patent 6,664,863 to Okamoto et al., "LC Oscillator," teaches a LC oscillator integrated onto an IC.

U.S. Patent 6,268,778 to Mucke et al., "Method and Apparatus for Fully Integrating a Voltage Controlled Oscillator on an Integrated Circuit," teaches a voltage controlled oscillator using a LC resonator with tunable frequency based on a variable capacitor network.

Cleland et al., in the article, "Fabrication of high frequency nanometer scale mechanical resonators from bulk Si crystals," Applied Physics Letter 69(18), 28 October 1996, pp. 2653-2655, teaches a crystal resonator on bulk Si.

INT-03-014

UK Patent Application GB 2 377 449 A to Sayers, "Electrically Conductive Polymer Composition," discusses electrically conductive compositions and their use to prevent electrostatic discharge and to earth electrical devices.

Sincerely,

George O. Saile,
Reg. No. 19572

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)	Application Number
INT-03-014	10/827,061
Applicant: Thomas Aisenbrey	
Filing Date: 04/19/04	Group Art Unit:

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6111343	8/29/00	Unami et al.	310	366	8/20/98
	4267480	5/12/81	Kanematsu et al.	310	366	5/23/79
	4786837	11/22/88	Kalnin et al.	310	364	5/5/87
	6664863	12/16/03	Okamoto et al.	331	117 R	7/24/00
	6268778	7/31/01	Mucke et al.	331	117 R	5/3/99

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES	Translation NO
GB 2	377449A	1/15/03	United Kingdom	C08K	3/08		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- Cleland et al., "Fabrication of high frequency nanometer scale mechanical resonators from bulk Si crystals", Applied Physics Letter 69(18), 28 Oct. 1996, pp. 2653-2655.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.